

**PRODUCTION OF LOW ALPHA-OLEFIN POLYMER**

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**Inventor:** ARAKI YOSHITAKE; NAKAMURA HIROFUMI;  
AOSHIMA NORIYUKI; OKANO TAKESHI; IWADA  
SHINJI  
**Applicant:** MITSUBISHI CHEM CORP  
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**Abstract of JP8301924**

**PURPOSE:** To remove the chromium component of a chromium-base catalyst from a liquid reaction product formed in the reaction for forming a low  $\alpha$ -olefin polymer in the presence of the catalyst.  
**CONSTITUTION:** A reaction for forming a low  $\alpha$ -olefin polymer is performed in a solvent in the presence of a catalyst comprising either a combination essentially consisting of a chromium compound (a), a nitrogenous compound (b) selected from the group consisting of amines, amides and imides and an alkylaluminum compound (c) or a combination containing these components and a halogen compound (d). The obtained liquid reaction product containing the catalyst components is treated with an oxidizing agent to remove the chromium component of the catalyst from the liquid. In this way, the chromium component of the catalyst can be removed at good efficiency by a simple operation.

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